

Waiver Application for the CTE Information Technology Endorsement

282-13.28(34)f. *Waiver of coursework requirements.* During the first year of implementation, the coursework requirements may be waived if the practitioner demonstrates relevant content knowledge mastery and successful teaching experience in this endorsement area through criteria established by the board of educational examiners.

1. Applicants must obtain the new CTE Information Technology endorsement (or a conditional license) in order to teach CTE Information Technology courses if the district wishes to offer these courses as one of their CTE service areas. This waiver provision is only available from August 9, 2017 to August 9, 2018.
2. Waiver Requirements:
 - a. Initial, Standard, or Master Educator license
 - b. Two years or more of experience teaching HS Information Technology coursework
 - c. Recommendation from the school administrator
 - d. College coursework, staff development, or artifacts demonstrating technology content and methods knowledge

Note: Applicants who do not already hold an endorsement in a CTE area (FCS, agriculture, business) are not eligible to have the CTE pedagogy/methods coursework waived.

3. The fee for the endorsement and/or waiver evaluation is \$60. **Include a check payable to the BoEE for \$60 with this application.** The fee to add the CTE Information Technology endorsement is \$50. You will be notified if you are eligible and you can pay the \$50 fee at that time. All fees are nonrefundable.
4. Please allow four weeks for the review of the waiver request.
5. Once the review is complete, you will receive a letter stating one of the following:
 - (1) you have met the requirements and may apply to add the endorsement, or
 - (2) you have not met the requirements (including a list of deficient areas).Conditional licensure is a possibility in this case if the endorsement is needed to offer CTE information technology courses.
6. All information should be sent to: Board of Educational Examiners, Grimes State Office Building, 400 E 14th Street, Des Moines, IA 50319.

Information Technology Experience Verification and Administrator Recommendation Form

Applicant's Folder #	Social Security #	Date of Birth Month Day Year	<input type="checkbox"/> Male <input type="checkbox"/> Female
Last Name	First Name	Middle Name	Maiden Name
Address	City	State	Zip Code
Home Phone ()	Work Phone ()	Email Address	

This experience verification section to be completed by the school administrator:

_____ Academic years the applicant taught Information Technology (month/year to month/year)

_____ Specific grades and technology courses taught

_____ School district

I recommend that this applicant be granted a waiver of the CTE Information Technology coursework requirements.

_____ Signature of Administrator

_____ Date

_____ Folder Number of Administrator

_____ Email address for the administrator

Information Technology Content Knowledge and Methods

- List any relevant college courses and attach official transcripts
- List any relevant staff development or other trainings and attach transcripts or certificates
- If content has not been covered through the coursework, attach artifacts showing content mastery for each of the endorsement criteria
- BoEE staff will review the waiver applications
- CTE methods/pedagogy cannot be met through the waiver unless the teacher holds another CTE endorsement

13.28(34) *CTE information technology. 5-12.*

c. Content. A minimum of 12 semester hours of computer science to include coursework in the following:

(1) Data representation and abstraction to include primitive data types, static and dynamic data structures, and data types and stores.

Course Title	Institution	Year Completed

(2) Designing, developing, testing and refining algorithms to include proficiency in two or more programming paradigms.

Course Title	Institution	Year Completed

(3) Systems and networks to include operating systems, networks, mobile devices, and machine-level data representation.

Course Title	Institution	Year Completed

d. Methods course. A content area methods course is required pursuant to 13.29(1). The course should include the following effective teaching and learning strategies for information technology:

(1) Curriculum development including recognizing and defining real-world computational problems; computing concepts and constructs; developing and using abstractions; creating, testing, and refining computational artifacts; and problem-solving strategies in computer science.

(2) Project-based methodologies that support active and authentic learning, fostering an inclusive computing culture, collaborative groupings, and opportunities for creative and innovative thinking.

(3) Communication about computing including multiple forms of media.

(4) Digital citizenship including the social, legal, ethical, safe and effective use of computer hardware, software, peripherals, and networks.

Course Title	Institution	Year Completed

CTE Methods (must hold another CTE endorsement or have taken college coursework in these areas in order to meet this requirement).

e. CTE methods.

(1) A minimum of six semester hours of career and technical curriculum and methods to include:

1. Foundations of career and technical education.
2. Methods of career and technical education.
3. Evaluation and assessment of career and technical programs.

(2) The CTE methods coursework is not required if the educator holds another career and technical endorsement.

Course Title	Institution	Year Completed

Statement of Fraud:

An application will be considered fraudulent, and may be denied, if it contains any false representation or omission of material fact, or if false records are submitted in support of the application. I certify under penalty of perjury and pursuant to the laws of the state of Iowa the submitted information is true and correct.

Signature of Applicant

Date